

**REMARKS**

At the time of the Office Action dated November 15, 2004, claims 1-16 were pending. Of those claims, claims 6-16 have been withdrawn from consideration pursuant to the provisions of 37 C.F.R. §1.142(b).

In this Amendment, claim 1 has been amended. Care has been exercised to avoid the introduction of new matter. Adequate descriptive support for the amendment can be found in, for example, Figs. 1A and 2 and relevant description of the specification.

**Claim 1 has been rejected under 35 U.S.C. §102(a) as being anticipated by applicant's admitted prior art disclosed in Fig. 18 of the present application ("AAPA").**

The Examiner maintained his position on rejecting claim 1 under 35 U.S.C. §102(a) despite Applicant's July 13, 2004 Amendment.

In response, Applicant submits that AAPA does not disclose a multiplication apparatus including all the limitations recited in claim 1, as amended. *See Helifix Ltd. v. Blok-Lok, Ltd.*, 208 F. 3d 1339, 54 USPQ2d 1299 (Fed. Cir. 2000); *Electro Medical Systems S.A. v. Cooper Life Sciences, Inc.*, 34 F.3d 1048, 32 USPQ2d 1017 (Fed. Cir. 1994). Specifically, it is emphasized that AAPA does not disclose a multiplication apparatus directed to a Wallace tree type multiplier including divided arrays arranged such that an intermediate final multiplication value of each divided array is transmitted to a final addition circuit without passing over another divided array, recited in claim 1.

It is apparent that AAPA (Fig. 18) shows that when a final intermediate multiplication value of a lower divided array is transmitted to a final addition circuit 7, the value passes over an upper divided array (see, e.g., page 9, line 25 to page 10, line 7 of the specification).

Accordingly, Applicant submits that AAPA does not disclose a multiplication apparatus including all the limitations recited in claim 1, and therefore, does not have identical disclosure of each element of the claimed invention in the meaning of 35 U.S.C. §102. Therefore, Applicant respectfully solicits withdrawal of the rejection of claim 1 and favorable consideration thereof.

**Claims 2-5 have been rejected under 35 U.S.C. §103(a) as being unpatentable over AAPA in view of Owaki.**

In the statement of the rejection, the Examiner asserted that the proposed combination of AAPA and Owaki teaches a multiplication apparatus including all the limitations recited in claims 2-5.

In response, Applicant submits that AAPA and Owaki, either individually or in combination, do not teach or suggest each and every limitation of claims 2-5. *See In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). Specifically, it is emphasized that AAPA and Owaki do not teach or suggest a multiplication apparatus directed to a Wallace tree type multiplier including divided arrays arranged such that an intermediate final multiplication value of each divided array is transmitted to a final addition circuit without passing over another divided array, recited in claim 1, upon which claims 2-5 respectively depend.

Thus, consideration of the teachings of AAPA and Owaki, either individually or in combination, do not teach each and every limitation of claims 2-5. Applicant, therefore, solicits withdrawal of the rejection of claims 2-5 under 35 U.S.C. §103(a) and favorable consideration thereof.

**Conclusion.**

Accordingly, it is urged that the application is in condition for allowance, an indication of which is respectfully solicited. If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, Examiner is requested to call Applicants' attorney at the telephone number shown below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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Recognition under 37 C.F.R. 10.9(b)

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